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ABSTRACT OF THE INVENTION

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A progressive cavity pump pumps liquid downhole to a lower formation

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past a packer set in a casing of a wellbore. The rotor of the pump is axially

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restrained by a bearing assembly spaced below the pump for controlling uphole

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reactive loading on the rotor. Preferably the rotor is releasably coupled to the

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bearing assembly for release and recovery of the rotor from the bearing assembly.

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Such a releasable coupling is a latch comprising a plunger telescopically and

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releasably coupled with a housing using a dog and track arrangement, the dog and

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track utilizing the telescoping action to actuate the coupling and releasing of the

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latch.

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